



Kentucky Power
P O Box 5190
101A Enterprise Drive
Frankfort, KY 40602
KentuckyPower.com

March 14, 2006

RECEIVED

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**PUBLIC SERVICE
COMMISSION**

Elizabeth O'Donnell, Executive Director
Public Service Commission
Attn: Robert Amato
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602-0615

RE: Case No. 2005-00276

Dear Ms. O'Donnell:

Pursuant to the 2006 Sample Meter Testing Plan, Section I, paragraph 4, enclosed for filing is the Company's certified test results off all new meters received. Due to the voluminous nature of this report, the test results are being provided on a CD.

Also, pursuant to Section II (D)(3)(b) of the Plan, enclosed for filing is the Statistical Sampling Plan for Kentucky Power Company's 2005 Sample Test Results. As the report indicates all 24 lots in the quality control program met the acceptable tests criteria. Meter lot failed in 2003 is attached as page 2. The removal and testing of all the 2003 failed meter lot has been completed.

If you have any questions regarding the attachments, please call me at 502-696-7010.

Sincerely,

Errol K Wagner
Director Regulatory Services

Attachments

Sample Test Report

AEP / Kentucky Power Company
2005 Sample Test Results
Kentucky

Based on: ANSI Z1.9 - 1993, Upper Limit - 102%, Lower Limit - 98%, AQL - 2.5, Table B3

Group Name	Meter Types				# of Meters in Service at time of the sample	# of meters sample tested	Average Accuracy (Bar X)	Standard Deviation (Sigma)	Pass or Fail
K5D41	D4S				8,436	75	99.91	0.364	Passed
K5D51	D5S				3,279	75	99.93	0.335	Passed
K5GE1	I50S	I55A	I55S	I60S	3,636	75	99.79	0.316	Passed
K5I7A	I70S				3,857	75	99.80	0.349	Passed
K5I70	I70S				9,728	75	99.74	0.331	Passed
K5I71	I70S				5,096	75	99.99	0.283	Passed
K5I72	I70S				9,017	75	100.01	0.350	Passed
K5I73	I70S				9,169	75	100.02	0.313	Passed
K5I74	I70S				9,116	75	99.99	0.268	Passed
K5I75	I70S				9,120	75	100.06	0.285	Passed
K5I76	I70S				9,146	75	100.05	0.278	Passed
K5I77	I70S				9,086	75	100.05	0.286	Passed
K5I78	I70S				5,693	75	99.93	0.275	Passed
K5I79	I70S				9,321	75	99.85	0.312	Passed
K5J31	J3S				655	35	99.60	0.374	Passed
K5J41	J4S				9,049	75	99.86	0.325	Passed
K5J42	J4S	J4ES			5,690	75	99.88	0.419	Passed
K5J51	J5S				9,041	75	99.97	0.336	Passed
K5J52	J5S				4,260	75	99.77	0.325	Passed
K5MQ1	MQS				176	15	99.85	0.477	Passed
K5MS1	MS	MSK			9,232	75	99.87	0.471	Passed
K5MS2	MS	MSK			9,291	75	99.94	0.316	Passed
K5MS3	MS	MSK			9,163	75	99.93	0.357	Passed
K5MS4	MS	MSK	MS2K		1,771	50	99.79	0.335	Passed

Comments:

1)

Sample Test Report

AEP / Kentucky Power Company
2005 Sample Test Results
Kentucky

Based on: ANSI Z1.9 - 1993, Upper Limit - 102%, Lower Limit - 98%, AQL - 2.5, Table B3

Meters removed in 2005 of Failed Groups:

Group Name	Meter Types	Years of Group Failure	Meters In service as of 12/31/2005	Removed or Tested in 2005	Plans for present year
M4D42	D4S	2003	0	1801	0

Comments:

1)

Prepared By: Gary Tredeau / 03-06-06